

Content Management System: A Valuable Impact on Library and Information Science

Anoop Singh^{1*}, Nishchay Kumar²

¹Librarian, ²Assistant Professor

J.V.M.G.R.R. Institute of Computer Applications, Haryana, India

***Corresponding Author**

E-mail Id:-anoop.bwn@gmail.com

ABSTRACT

Library is a storehouse of knowledge. Large data stores in the library system. In digital era, handling of large amount of data in the library, hence requires content management software for creation and modification of content in the software. CMS help in solving the problem of editing, publishing, modifying and accessing the content on web without use of Html and CSS or not good knowledge of web master or saving the time of users and satisfied the user's need also. Content management software is a computer utility that lets in publishing, editing and organizing, deleting and keeping content from an imperative interface. Libraries have excellent boom in virtual resources. Library professionals to apply numerous facts era & equipment to control and render offerings to the users. To achieve more efficiency in rapidly converting surroundings. Library portals play a critical function by way of developing a web surroundings where customers can without difficulty get right of entry to facts. By content Management system in the library, Libraries access latest information to users easily with the help of technologies and tools.

Keywords:-CMS and its tools, HTML, CSS

INTRODUCTION

Large number of data store in the library. Users come in the library for satisfaction of his needs in the recent time. Researchers or scholars come in the library for searching the content in the library. In digital era, content development has become a sensational means of sharing information over the Internet. Even the non-technical users got the ability to publish content easily and quickly on the website with the help of content management system. Content management system is a computer application that allows publishing, editing, modifying and organizing, deleting and maintaining of digital content with the help of content management tools without knowledge of HTML and CSS. It is all viable by content management tools to be had and is widely utilized by organizations and academic establishments.

A CMS facilitates to create and keep content material in a shared repository. It manages the connection between content gadgets for us. It ensures that each content item is connected to the proper fashion sheet when it comes to be published. CMS is responsible for the collection, management and publishing of information. Libraries have tremendous growth in digital resources by CMS tools. A CMS is capable of saving time, has an efficient functionality in searching and also provides a facility to publishers to modify their web pages when needed.

DEFINITION

CMS is also called web management system. Content management machine (CMS) is a software program application that may be used to manage the introduction and change of digital content material.

Content Management system is a pc utility that allows publishing, modifying, enhancing and organizing, deleting and maintaining content from a vital interface.

Content Management provides strategies to control workflow in collaborative surroundings.

CMS is a software program or group or packages and equipment that allow an organization to seamlessly create, edit, assessment and post digital textual content.

A Content Management system is a system to manage the content of a website. CMS is a computer software utility that enables those obligations (growing, modification, handling) without the want for knowledge of HTML, CSS or every other internet

programming languages.

CMS are usually used for employer content material management and internet content material management.

CMS method a tool for managing content material usually on a internet site that separates the layout, interactivity and content from one another to make it less complicated for content authors to provide content material.

CMS is an additionally a pc utility used to create, edit, manage, seek and submit numerous kinds of digital media and digital textual content. A CMS is answerable for the collection management, and publishing of records referred to as content material components.

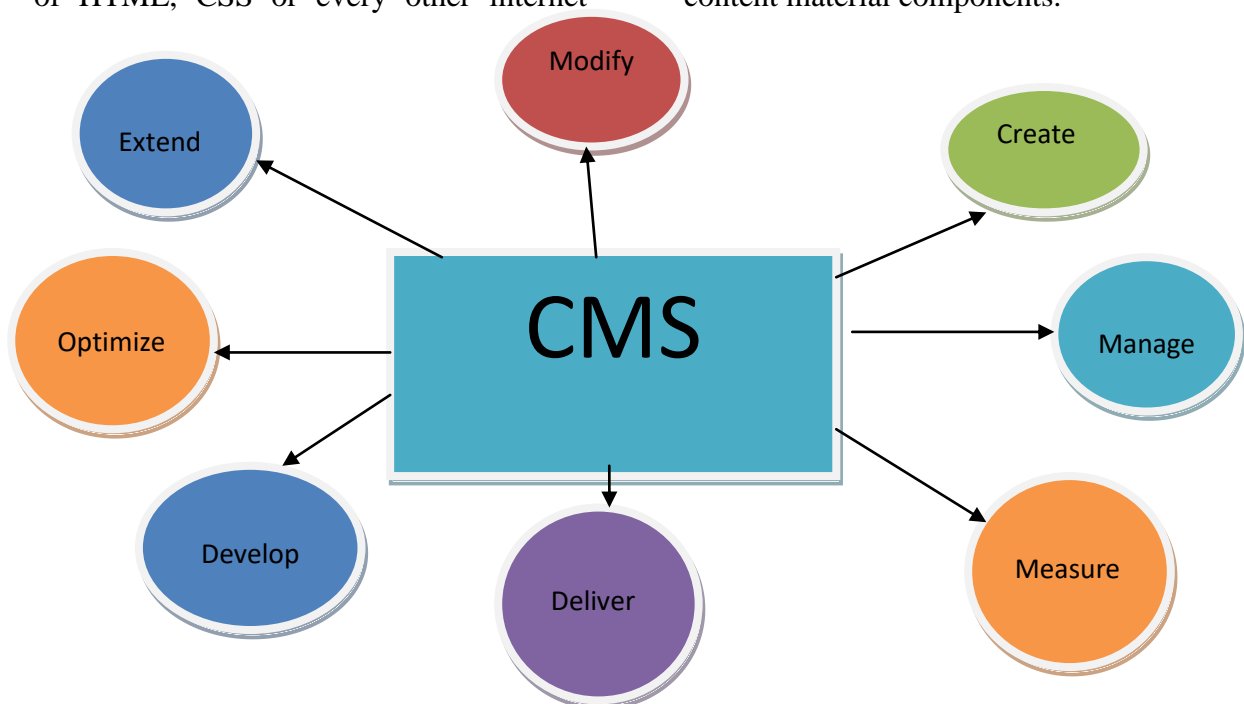


Fig.1:-Block Diagram

STRUCTURE

CMS consists of a content management utility which enables the management and amendment of content.

Content Management system has two components or elements:-

1. Content Management Application (CMA)

2. Content Delivery Application (CDA)

CMA element permits the content material manager or creator, who won't recognize HTML (Hypertext markup Language), to manipulate the introduction, change and elimination the content material from a website without having the knowledge of a webmaster.

CDA elements complies that statistics to update the internet site. It manages as well as delivers content after framed in the CMA.

COMMON FEATURES

The features of CMS system vary; however maximum include web-based totally publishing.

The middle characteristic of CMS are indexing, seek and retrieval, format Management revision control and Management.

- Web –based publishing
- Full template support and customizes templates.
- Integrated and online help
- Easy wizard based install and versioning procedures.
- Good –Based permission systems
- Content hierarchy with unlimited depth and size.
- Minimal server requirements.
- Security
- Integrated for Managers
- Intensive indexing, search and retrieval feature index all data for easy

access through search functions and allow users to search by attributes such as publication dates, keywords or authors.

- Multilingual Functionality
- Fast customer Support
- Distributing content
- Format Mgt. facilities turn scanned paper documents and electronic documents into HTML or PDF documents form for the website.

The revision control feature allows content to be updated to a newer model or restored to a preceding model. Revision manage also tracks any modifications made to files by way of individuals.CMS can be used for storing, controlling, revising, semantically enriching and publishing documentation. In the library environment CMS. Which are in use need to have the capabilities like net based totally publishing, layout management, revision control (version manipulate), indexing, seek and retrieval.

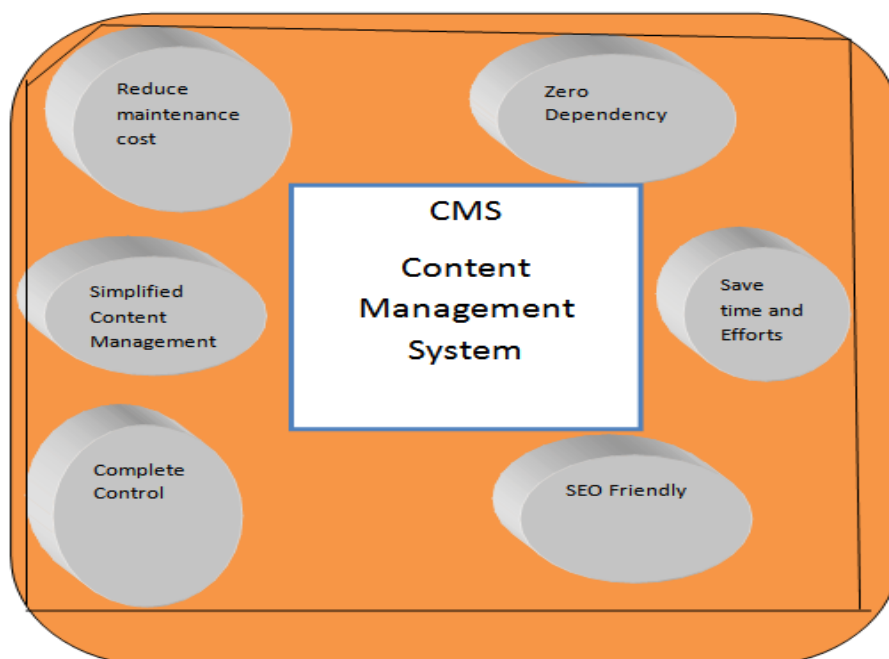


Fig.2:-Block Diagram

BENEFITS OR IMPORTANCE OF CONTENT MANAGEMENT SYSTEM

- Version (revision control) over the documents and content
- Check impacts on reused content changes.
- Improved Collaboration and automation with workflows.
- Manage documentation
- Ease to links and content maintenance.
- Reduce translation costs.
- Higher Collaboration
- Improved modularity
- Integration with editors.
- Reduction of paper handling and paper storage.
- Reduction of lost documents.
- Faster access of information.
- Improved control over document and document oriented processes.
- Security over documents access and modification.
- Improved the efficiency.
- Providing reliable and accurate content.

CONTENT-MANAGEMENT TOOLS

Content management tools permit every person to edit their own website. Do not want to recognize HTML or any web language with the help of content management tools to edit its personal contents. This content material–Management Gear are a manner for a privileged person to make updates or additions to a WebPages without the need for massive technical knowledge.

Many organizations construct the content management gear to fulfill the particular desires however inside the last few years several agencies have come out with content material control Software:

OPEN SOURCE CMS SOFTWARE

Ex. Opus, Dspace, Fedora, Greenstone, OpenCMs, Xoops, Drupal, Joomla, Plone

Free CMS Software

XOOPS, Scoops, ZINKULA, CM simple , SPIP

Example of commercial CMS for publishers:-

1. 1.CraftCMS
2. 2.Expression Engine
3. 3.Sitecore
4. 4.Kentico
5. Cushy CMS
6. 6.SiteLeaf
7. 7.Progress Site finality
8. 8.Episerver
9. 9.Magnolia
10. 10.Adobe Experience Manager

Free/ Open Source CMS Software

Ex. Cyclone 3, Drupal, Impress CMS, Joomla, Mambo, Plone, Silver Stripe

Open Source CMS

Dspace

It is digital institutional repository that captures, stores indexes preserves intellectual output of faculty, staff and students in digital formats. It manages and distributes virtual objects made up of virtual files and lets in for the introduction, indexing and looking of pals metadata to locate and retrieve the objects.

FEDORA

Flexible Extensible Digital object Repository Architecture is a digital repository for a variety of use cases. Among these are digital assets management, Institutional repositories, digital Archives, content Mgt. system, scholarly publishing enterprises and digital libraries.

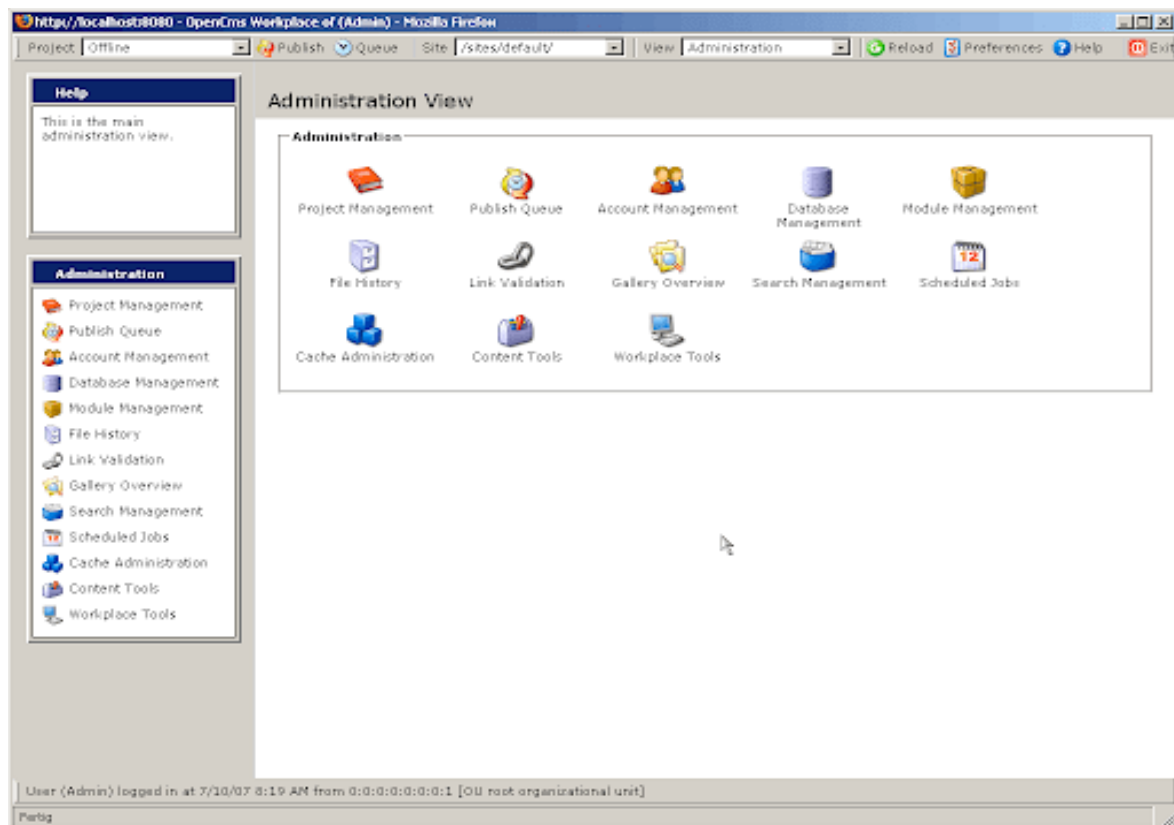
Green Stone

It is open source, multilingual software issued under the term of the GNU. The machine operates under UNIX, Windows and works with standard net servers. The Unicode individual set is used throughout, so documents and interfaces may be in any Language.

Open CMS

Open CMS is open source CMS software written in Java. It is distributed by Alkacon Software beneath LGPL License. It is a CMS software with a browser based work

surroundings property control a WYSIWYG editor, internationalization guide, content material versioning and greater capabilities.



PHPCMS

It is an open source CMS written the usage of PHP. Its creators describe PHP. CMS as a quite bendy, flatfile, no SQL, WebCMS with entire content /Logic separation. PHP CMS intends to simplify a number of tasks for the upkeep of complex websites.

It uses a modular structure allowing customers to customize, updates and topic their web sites. XOOPS is launched underneath the phrases of General Public License and is unfastened to apply, regulate and redistribute.

Free CMS Software

Scoops

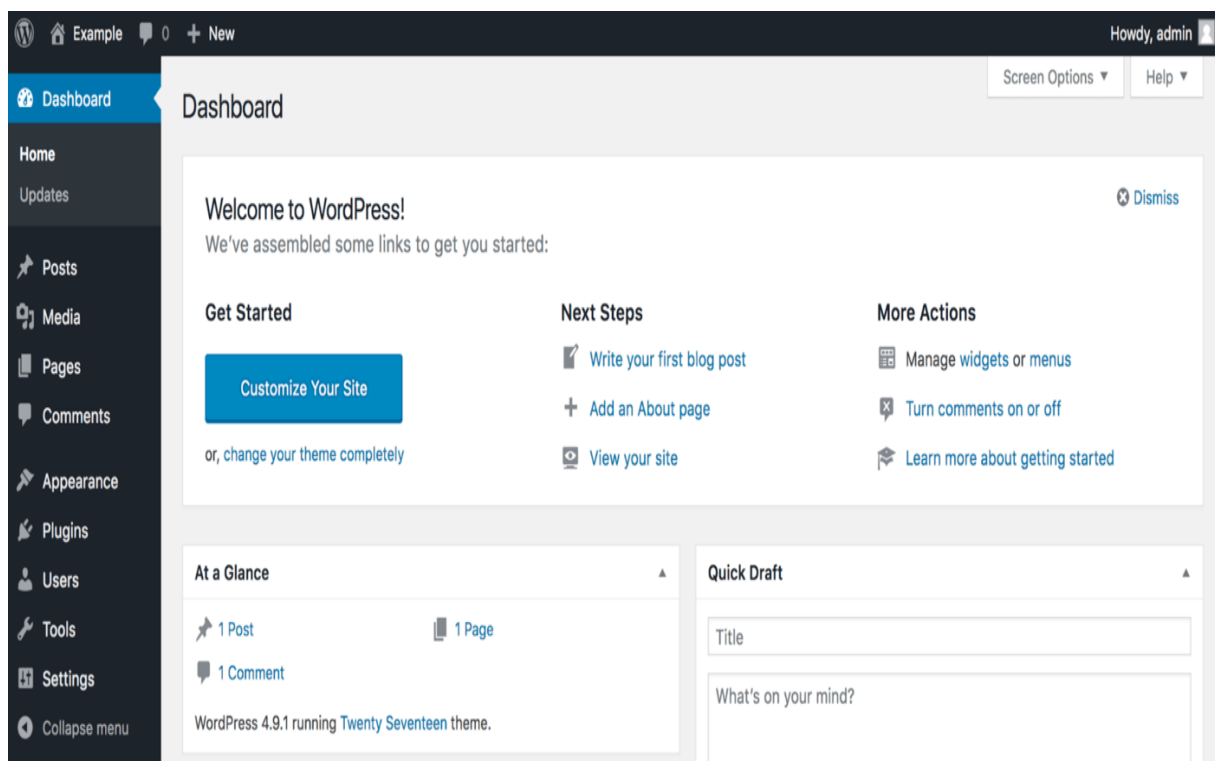
is a CMS firstly developed via Rusty Foster. Scoop's consciousness is on collaborative publishing and its function set is geared in the direction of encouraging consumer contributes and participation. Scoop is written in Perl.

Wordpress

It is unfastened and open supply WCMS primarily based on PHP and My SQL. Word Press can be applied as a part of a web hosting service or it could be deployed on a local computer to act as its very own web server. It is surprisingly customized with a large amount of themes and plug-ins available. It is immensely famous among the running a blog community.

XOOPS

Is free CMS written in PHP for websites.

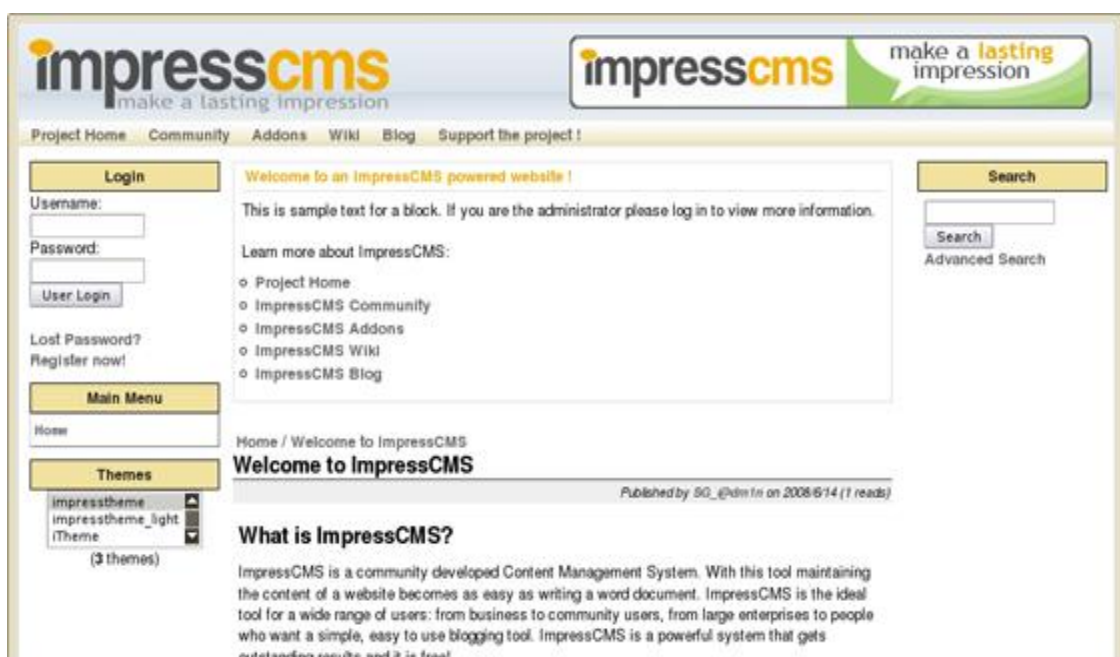


Drupal

It is an unfastened and open supply modular framework and CMS written in programming Language PHP. It is used as a lower back end gadget for plenty special sorts of websites. Ranging from small non-public Blogs to huge corporate and political websites.

Impress CMS

It is an unfastened, open source, community evolved CMS for constructing and retaining dynamic websites, written in PHP programming language and the use of a MYSQL database.



Joomla

It is a free open source written in PHP, CMS for publishing Content on the website. The machine includes functions

consisting of page caching to improve overall performance RSS feeds. Revealed Versions of pages, new flashes, blog, polls, internet site looking and Language.



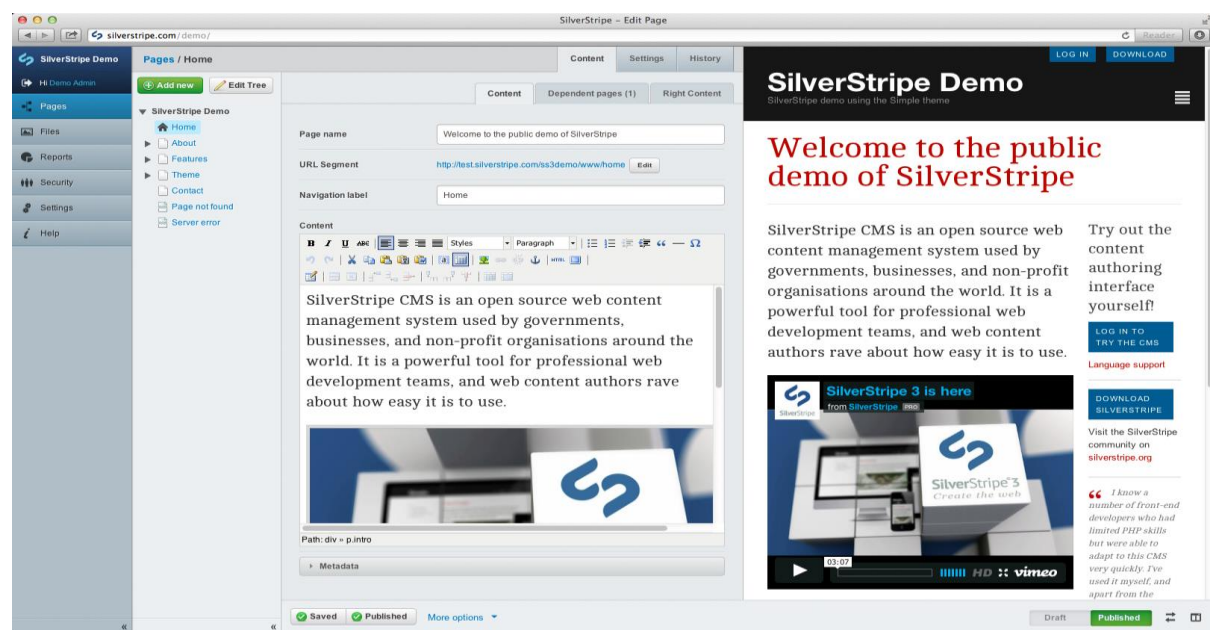
Plone

It is a free and open source CMS built on top of the Zope utility server. It is acceptable for an internal website or can be used as a server on the net, playing such roles as a document publishing device and groupware collaboration tool.

programming framework and CMS for growing and preserving web sites. CMS provides an intuitive web based totally management panel, permitting any person to maintain their website without expertise to programming Languages. Silver Stripe gives a bendy MVC development framework known as Sapphire.

Silver Stripe

Silver Stripe is a free and open supply



By content software program are gear can be used to manage the introduction and change of virtual content material or internet content in easy way without expertise of HTML and CSS (or web master). CMS are used for agency content material control and web content management. CMS allows users to collaborate in advent and production of virtual content material: Internet pages, Blog posts and so on. With the help of CMS allow user with none coding knowledge to amend, adjust and edit content material to websites. CMS used to manage content material including audio and video documents additionally it permits to put in writing text and insert images and photographs without delay to the manage panel.

CONCLUSION

The development of content Mgt. Systems has made creation, Management and website Content or digital content, update, effective and secure. That is because managing a complex enterprise website with high numbers of Content is not easy way and it is need to be done by a webmaster who will organize contents that it made by authors. CMS is computer Application that can be used in planning, creation, and archiving content. It is all possible by the CMS in easy way .An organization need to choose the best CMS that can help them achieve their goals in the future without having high cost.

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Author's Profile



Mr. Anoop Singh received the B.Sc. Degree and Master of library & information science from MD University Rohtak (Haryana). He is a librarian in JVMGRR institution of computer applications Affiliated to CBLU Bhiwani, Haryana since 2015. He has 12 years Librarian experience with NTA UGC NET QUALIFIED .His area of research are information Literacy, information seeking behaviour, user Education, user studies, content mgt. System and Big Data & its technologies.



Mr. Nishchay Kumar is working as Assistant Professor in JVMGRR Institute Of Computer Applications, Charkhi Dadri, Affiliated to Chaudaary Bansilal University, Bhiwani (Haryana). He is MCA pass out from Kurukshetra Uni. Campus. He has two year teaching experience .He is guided BCA and MCA Students in the field of Internship projects. His core research interest is centred on improving the understanding, design and performance of evolutionary computing techniques, mainly through the application of Artificial intelligence, Robotics, and Big Data. Other research area involves is Embedded System, IOT, Cloud computing also.